

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| S1    | 2    | soft same decoder same sampl<br>\$3 same indicator same<br>ambiguity | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/10/13<br>13:31 |
| S2    | 2    | soft same decoder same sampl<br>\$3 same multilevel                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/10/13<br>13:37 |
| S3    | 72   | (soft same decoder same sampl<br>\$3) and multilevel                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/10/13<br>13:38 |
| S4    | 1    | (soft same decoder same sampl<br>\$3 same period) and multilevel     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/10/13<br>13:39 |
| S5    | 10   | (soft same decoder same sampl<br>\$3 same time) and multilevel       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/10/13<br>13:40 |
| S6    | 2    | "5790595".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/10/13<br>13:56 |
| S7    | 2    | "5621764".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/10/13<br>14:01 |

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| S8  | 2  | "5751726".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/10/13<br>14:09 |
| S9  | 29 | ("4224689"   "5119400"  <br>"5222101"   "5333150"  <br>"5335250"   "5414738"  <br>"5432821"   "5537444").PN.<br>OR ("5790595").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2009/10/13<br>14:10 |
| S10 | 2  | "5621764".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/13<br>15:16 |
| S11 | 25 | ("5425037").PN. OR<br>("5621764").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2009/10/13<br>15:16 |
| S12 | 2  | "6636560".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/10/14<br>10:52 |
| S13 | 2  | "6144234".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/10/14<br>10:53 |
| S14 | 2  | "6191906".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/10/14<br>10:55 |
| S15 | 2  | "5644595".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/10/14<br>10:56 |
| S16 | 2  | "7474860".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/10/14<br>13:02 |

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| S17 | 3    | "7110683".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/10/14<br>13:04 |
| S18 | 2    | "20060013597"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/10/14<br>13:06 |
| S19 | 2    | "20060274861"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/10/14<br>13:07 |
| S20 | 2    | "5880837".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/10/14<br>13:18 |
| S21 | 2    | "6934647".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/10/14<br>13:20 |
| S22 | 6    | ("20030083833"  <br>"20030165259"  <br>"20030220753"   "5978742"  <br>"6546345"   "6748338").PN.<br>OR ("6934647").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2009/10/14<br>13:22 |
| S23 | 25   | ("5425037").PN. OR<br>("5621764").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2009/10/14<br>13:46 |
| S24 | 2544 | 375/317,341.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>13:47 |
| S25 | 274  | 375/317,341, 714/780.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>13:48 |

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| S26 | 2544 | 375/317,341,714/780.cds.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>13:48 |
| S27 | 2544 | 375/317,341.cds.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>13:49 |
| S28 | 124  | S27 and (soft same decoder<br>same reliability)                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>13:50 |
| S29 | 3    | S27 and (soft same decoder<br>same reliability same<br>comparator) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>13:50 |
| S30 | 274  | 714/780.cds.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>13:53 |
| S31 | 70   | S30 and (soft same decoder<br>same reliability)                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>13:53 |
| S32 | 6    | S30 and (soft same decoder<br>same reliability same delay)         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>13:53 |
| S33 | 6    | S30 and (soft same decoder<br>same reliability same delay)         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>13:55 |
| S34 | 12   | S27 and (soft same decoder<br>same reliability same delay)         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>13:56 |

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| S35 | 153 | sam same rizk   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>14:04 |
| S36 | 29  | S35 and (saml\$3)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>14:05 |
| S37 | 21  | ("20010016929"  <br>"20020039394"  <br>"20030041294"  <br>"20030198105"  <br>"20040022337"  <br>"20050031029"  <br>"20050169168"  <br>"20050180536"  <br>"20050201500"  <br>"20050267696"   "5835501"  <br>"6122336"   "6625560"  <br>"6988227"   "7069488"  <br>"7127017"   "7162002"  <br>"7171601"   "7180352"  <br>"7231558"   "7363562").PN.<br>OR ("7571360").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2009/10/14<br>14:07 |
| S38 | 133 | delay same soft same decision<br>same sampl\$3  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>15:37 |
| S39 | 16  | (delay same soft same decision<br>same sampl\$3) and (eye same<br>diagram)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/14<br>15:37 |

10/ 15/ 2009 1:01:30 PM

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